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1 Communications of the ACM: Volume 51 Issue 11
November 2008 Communications of the ACM
Publisher: ACM
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2 A layered approach to simplified access control in virtualized system
Bryan D. Payne, Reiner Sailer, Ramón Cáceres, Ron Perez, Wenke Lee
July 2007   **SIGOPS Operating Systems Review** , Volume 41 Issue 4
Publisher: ACM
Full text available: 📄 Pdf (418.18 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 174, Citatio

In this work, we show how the abstraction layer created by a hyperviso can be leveraged to reduce the complexity of mandatory access control Policies governing access control decisions in ...

Keywords: information flow, layering, mandatory access control, policy

3 "Good" worms and human rights
John Aycock, Alana Maurushat
March 2008 **SIGCAS Computers and Society** , Volume 38 Issue 1
Publisher: ACM
Full text available: 📄 Pdf (129.33 KB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 209, Citatio

The extent of Internet censorship in countries like China is regularly tes used from within a censored country can entail risk for humans. A bene testing instead: the worm's self-replication, long ...

Keywords: China, benevolent worms, censorship, filtering, firewall, hu

4 A fast real-time memory authentication protocol
Yin Hu, Ghaith Hammouri, Berk Sunar
October 2008 **STC '08:** Proceedings of the 3rd ACM workshop on Scalable t

Publisher: ACM ◇ Request Permissions
Full text available: 📄 Pdf (423.09 KB)   Additional Information: full citation, abstract,

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We propose a new real-time authentication scheme for memory. As in p
uses a Merkle tree to guarantee dynamic protection of memory. We use
family NH for speed and couple it with an AES encryption ...

Keywords: fast authentication, memory integrity, universal hash

5 Protecting people from phishing: the design and evaluation of an em
◇ Ponnurangam Kumaraguru, Yong Rhee, Alessandro Acquisti, Lorrie Faith C;
Nunge
April 2007 **CHI '07:** Proceedings of the SIGCHI conference on Human fact
Publisher: ACM ◇ Request Permissions
Full text available: 📄 Pdf (1.16 MB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 44, Downloads (12 Months): 455,   Citatic

Phishing attacks, in which criminals lure Internet users to websites that
are occurring with increasing frequency and are causing considerable ha
describe the design and evaluation of an embedded ...

Keywords: email, embedded training, phishing, situated learning, usab

6 Understanding the network-level behavior of spammers
◇ Anirudh Ramachandran, Nick Feamster
August 2006 **SIGCOMM '06:** Proceedings of the 2006 conference on Applic;
architectures, and protocols for computer communications
Publisher: ACM ◇ Request Permissions
Full text available: 📄 Pdf (410.60 KB)   Additional Information: full citation, abstract,

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This paper studies the *network-level* behavior of spammers, including: I
most spam, common spamming modes (e.g., BGP route hijacking, bots
each spamming host is, and characteristics of ...

Keywords: BGP, botnet, network management, security, spam

Also published in:
August 2006 **SIGCOMM Computer Communication Review** Volume 36 Issue

7 Planet scale software updates
◇ Christos Gkantsidis, Thomas Karagiannis, Milan Vojnović
August 2006 **SIGCOMM '06:** Proceedings of the 2006 conference on Applic;
architectures, and protocols for computer communications
Publisher: ACM ◇ Request Permissions
Full text available: 📄 Pdf (1.19 MB)   Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 113,   Citatic

Fast and effective distribution of software updates (a.k.a. patches) to m
evolved into a critical task over the last years. In this paper, we charact
the largest update services in the world, ...

Keywords: caching, peer-to-peer, software updates

Also published in:
    August 2006 **SIGCOMM Computer Communication Review** Volume 36 Issue

8 A review of WPAN security: attacks and prevention
    Todd Kennedy, Ray Hunt
    September 2008 **Mobility '08:** Proceedings of the International Conference
        Applications, and Systems
    Publisher: ACM Request Permissions
    Full text available: Pdf (288.05 KB)   Additional Information: full citation, abstract,

    Bibliometrics: Downloads (6 Weeks): 55, Downloads (12 Months): 225,   Citatic

WPANs (Wireless Personal Area Networks) fill an important role in local
complementing traditional IEEE 802.11 Wireless LANs. Bluetooth, ZigBe
Communications) have emerged as the key WPAN technologies. They ..

Keywords: ZigBee, bluetooth, near field communication, wireless persc

9 Explorations in namespace: white-hat hacking across the domain na
    Dan Kaminsky
    June 2006   **Communications of the ACM** , Volume 49 Issue 6
    Publisher: ACM Request Permissions
    Full text available: Html (28.87 KB), Pdf (291.36 KB) Additional Information: full cita

    Bibliometrics: Downloads (6 Weeks): 45, Downloads (12 Months): 185,   Citatic

DNS cache scanning across a sample set of more than 500,000 name se
year's Sony rootkit infestation on client machines.

10 Can you infect me now?: malware propagation in mobile phone netw
    Chris Fleizach, Michael Liljenstam, Per Johansson, Geoffrey M. Voelker, Anc
    November 2007 **WORM '07:** Proceedings of the 2007 ACM workshop on Rec
    Publisher: ACM
    Full text available: Pdf (946.28 KB)   Additional Information: full citation, abstract,

    Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 217,   Citatic

In this paper we evaluate the effects of malware propagating usingcomr
phone networks. Although self-propagating malware is well understood
networks have very different characteristics in terms ...

Keywords: cellular phone networks, defenses, epidemiology, measurer

11 Provably secure browser-based user-aware mutual authentication o\
Sebastian Gajek, Mark Manulis, Ahmad-Reza Sadeghi, Jörg Schwenk\
March 2008 **ASIACCS '08:** Proceedings of the 2008 ACM symposium on In
communications security

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The standard solution for user authentication on the Web is to establish
server authenticated mode and run a protocol on top of TLS where the u
HTML form. However, as many studies point out, the ...

Keywords: TLS, browser-based protocols, phishing, user authenticatio

12 Persona: an online social network with user-defined privacy\
Randy Baden, Adam Bender, Neil Spring, Bobby Bhattacharjee, Daniel Star\
August 2009 **SIGCOMM '09:** Proceedings of the ACM SIGCOMM 2009 confe

Publisher: ACM ◆ Request Permissions\
Full text available: 🔳 Pdf (527.89 KB)   Additional Information: full citation, abstract, i

Bibliometrics: Downloads (6 Weeks): 47, Downloads (12 Months): 47,   Citatio

Online social networks (OSNs) are immensely popular, with some claimi
share private content, such as personal information or photographs, usi
trust the OSN service to protect personal information ...

Keywords: ABE, OSN, facebook, persona, privacy, social networks

Also published in:\
August 2009 **SIGCOMM Computer Communication Review** Volume 39 Issue

13 Spyware be gone!\
Aaron Weiss\
March 2005 **netWorker** , Volume 9 Issue 1

Publisher: ACM ◆ Request Permissions\
Full text available: 🔳 Html (25.40 KB), 🔳 Pdf (85.97 KB) Additional Information: full citatio

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 61,   Citatio

The times they are a-changing: White is the new black. Thirty is the nev
spam---with a dash of virus mixed in for good measure. (Of course, we
flavor spam and viruses hanging around, too). What ...

14 A distributed host-based worm detection system\
Senthilkumar G. Cheetancheri, John Mark Agosta, Denver H. Dash, Karl N.
Schooler\
September 2006 **LSAD '06:** Proceedings of the 2006 SIGCOMM workshop o

Publisher: ACM ◆ Request Permissions\
Full text available: 🔳 Pdf (155.76 KB)   Additional Information: full citation, abstract, i

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 91,   Citatio

We present a method for detecting large-scale worm attacks using only
detectors propagate and aggregate alerts to cooperating partners to det
attacks in progress. The properties of the host-based detectors ...

Keywords: sequential hypothesis testing, worm detection

15 The web is smaller than it seems
Craig A. Shue, Andrew J. Kalafut, Minaxi Gupta
October 2007 **IMC '07:** Proceedings of the 7th ACM SIGCOMM conference o
Publisher: ACM ◇ Request Permissions
Full text available: 📄 Pdf (554.39 KB)   Additional Information: full citation, abstract, i

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 50,   Citation

The Web has grown beyond anybody's imagination. While significant res
understanding aspects of the Web from the perspective of the documen
data on the relationship among servers that comprise ...

Keywords: block lists, dos attacks, server co-location, world wide web

16 The new face of malware
Lynn Greiner
December 2006 **netWorker** , Volume 10 Issue 4
Publisher: ACM ◇ Request Permissions
Full text available: 📄 Html (13.06 KB),   📄 Pdf (160.90 KB) Additional Information: full citat

Bibliometrics: Downloads (6 Weeks): 12,   Downloads (12 Months): 88,   Citation

It's not often one hears a vendor say that the problem its flagship produ
been solved. That statement would seem, at first blush, a wee bit self-d

17 Temporal search: detecting hidden malware timebombs with virtual n
Jedidiah R. Crandall, Gary Wassermann, Daniela A. S. de Oliveira, Zhendor
Chong
November 2006 **ASPLOS-XII:** Proceedings of the 12th international confere
programming languages and operating systems
Publisher: ACM ◇ Request Permissions
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Bibliometrics: Downloads (6 Weeks): 21,   Downloads (12 Months): 193,   Citatio

Worms, viruses, and other malware can be ticking bombs counting dow
might, for example, delete files or download new instructions from a pu
novel virtual-machine-based analysis technique to ...

Keywords: malware, virtual machines, worms

Also published in:
October 2006   **SIGOPS Operating Systems Review**   Volume 40 Issue 5

18 Firefox (in) security update dynamics exposed
Stefan Frei, Thomas Duebendorfer, Bernhard Plattner
December 2008 **SIGCOMM Computer Communication Review** , Volume 39

Publisher: ACM

Full text available: Pdf (264.99 KB)　　　　Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 19,　Downloads (12 Months): 167,　Citatio

Although there is an increasing trend for attacks against popular Web br
about the actual patch level of daily used Web browsers on a global sca
large part do not actually patch their Web browsers ...

Keywords: update, web browser

19 The tale of the weather worm
Joe Szabo, John Aycock, Randal Acton, Jörg Denzinger
March 2008 **SAC '08**: Proceedings of the 2008 ACM symposium on Applied

Publisher: ACM ◆ Request Permissions

Full text available: Pdf (140.99 KB)　　　　Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 7,　Downloads (12 Months): 66,　Citation

How humans behave when faced with a disaster, natural or man-made,
by news-aware malicious software. We introduce *weather worms*, worm
abnormal events and their location, and target ...

Keywords: disasters, emergencies, geolocation, information policy, net

20 Risks to the public
Peter G. Neumann
September 2007 **SIGSOFT Software Engineering Notes** , Volume 32 Issue 5

Publisher: ACM

Full text available: Pdf (304.74 KB)　　　　Additional Information: full citation, index tern

Bibliometrics: Downloads (6 Weeks): 17,　Downloads (12 Months): 133,　Citatio